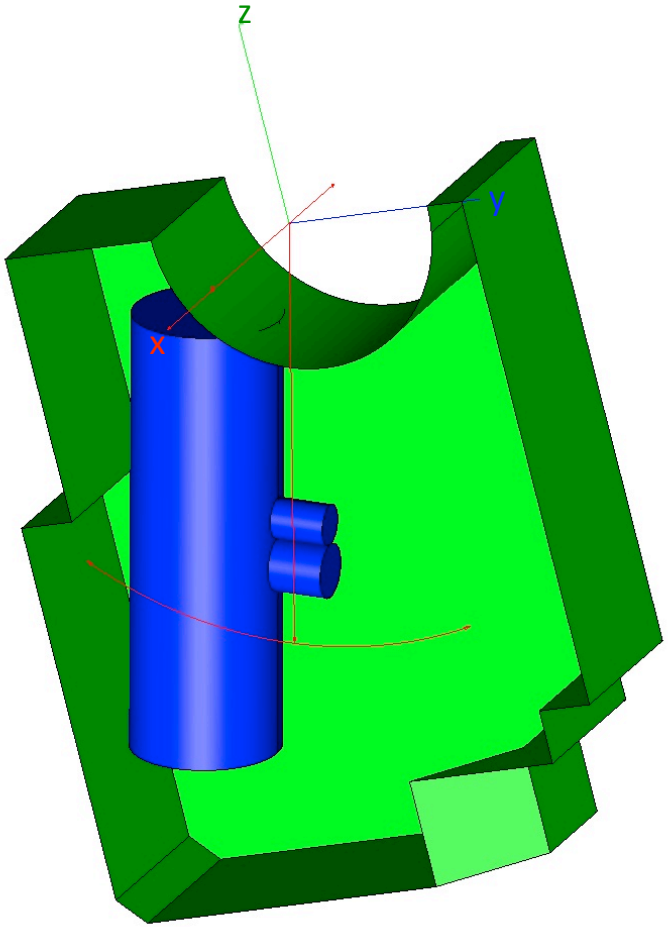
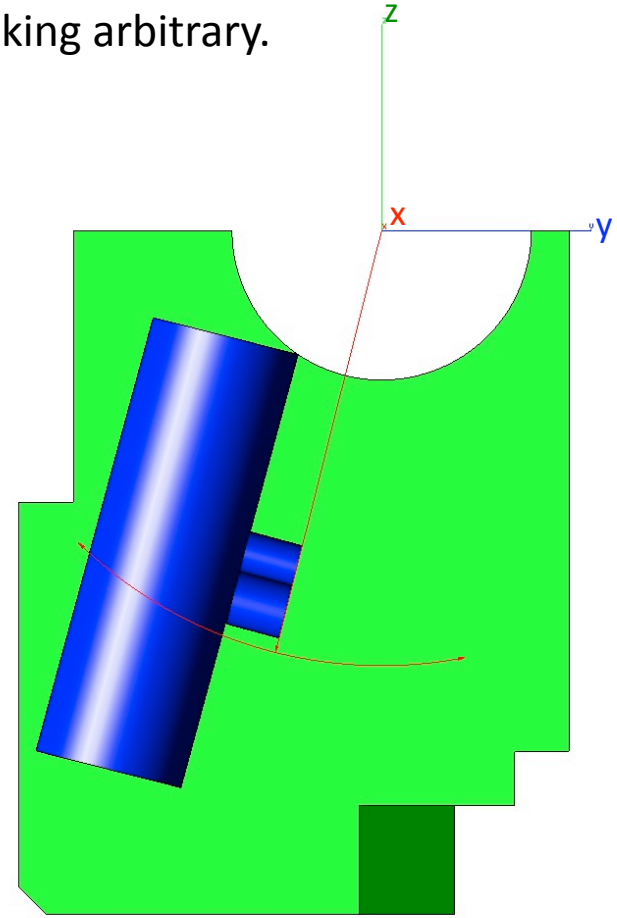
Integral-Cryocooler Envelope Fit Constraints

TIRS Cryocooler envelope (green). Heat rejection through plane/surface of envelope (removed in image) in +x direction .



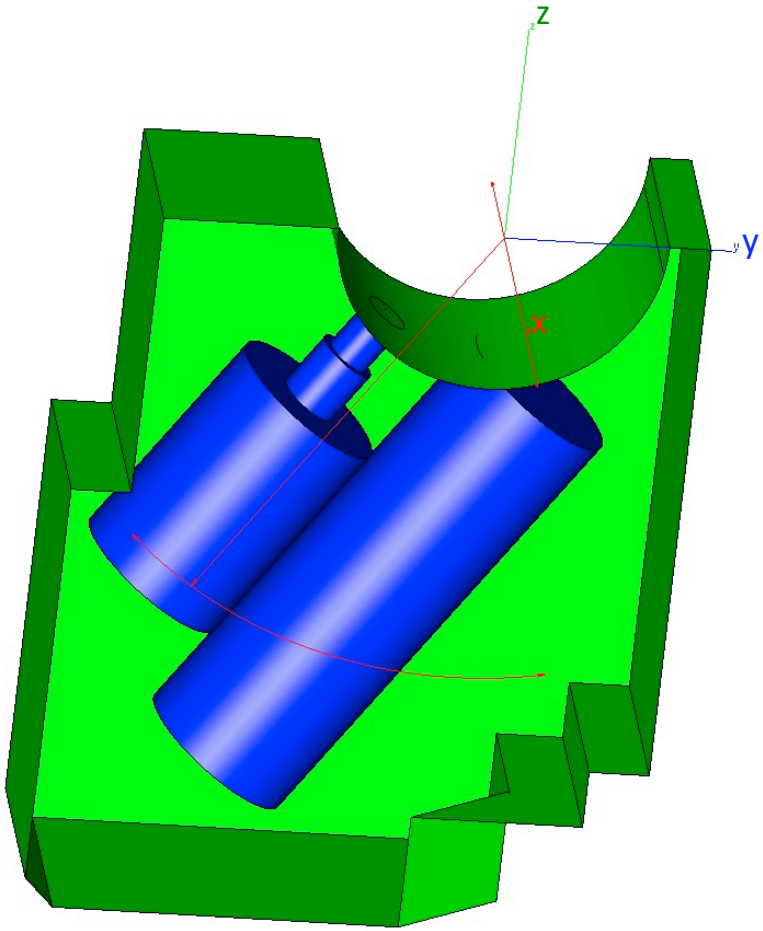
Coldfinger axis/axes in a zy plane perpendicular to radial direction from telescope axis (= x axis in images) – clocking arbitrary.



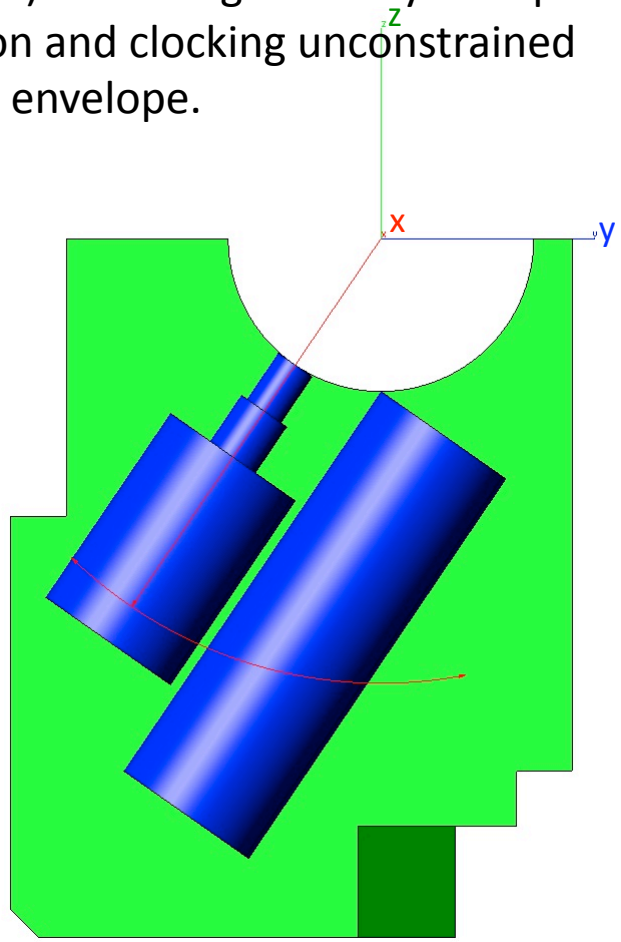
1-g testing will occur with +z horizontal using EGSE power (EGSE & motor limits) and with +z vertical using Spacecraft power (225W bus power limit)

Split-Cryocooler Envelope Fit Constraints

TIRS Cryocooler envelope (green). Heat rejection through plane/surface of envelope (removed in image) in +x direction .



Expander axis in a zy plane in radial direction from telescope axis (= x axis in images) – clocking arbitrary. Compressor location and clocking unconstrained within envelope.



1-g testing will occur with +z horizontal using EGSE power (EGSE & motor limits) and with +z vertical using Spacecraft power (225W bus power limit)